#5



PCT10

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/089,563

DATE: 01/31/2003 TIME: 10:45:53

Input Set : A:\sequence listin.txt

Output Set: N:\CRF4\01312003\J089563.raw

```
3 ::110 - APPLICANT: Oriental Yeast Co., Ltd.; JAPAN AS REPRESENTED BY
      1.4120. TITLE OF INVENTION: Kits for extracting nucleic acid and method of
             extracting nucleic acid by using the kits
     # -11 www.File Reference: 159-72
     10 -: 140 - CURRENT APPLICATION NUMBER: 10/089,563
C--> 11 <141> CURRENT FILING DATE: 2002-08-13
     1% -:150 - PRIOR APPLICATION NUMBER: PCT/JP00/05170
     14 - 151 - PRICE FINING DATE: 2000-08-02
     16 - 150 - PRICE APPLICATION NUMBER: JP 190633/1999
     11 - 151 - PRIOF FIRING DATE: 1999-07-06
     19 - 160 - NUMBER OF SEQ ID NOS: 19
     21 ×11/0 SOFTWAFE: Patentin Ver. 2.0
     73 -02100 SEQ ID NO: 1
     . f - MAIL - TYPE: DNA
     AG - 21 % OF GANISM: Artificial Sequence
     IN HIS OF FEATURE:
     [9] PLINE OTHER INFORMATION: Description of Artificial Sequence: primer GF62
     FI - 400 - SEQUENCE: 1
                                                                             2.5
     PD aaddatagag qtabaadqaca dca
     34 POR PERMIT AND NOTE L
     35 - 111 - LFNGTH: . 3
     36 - Ilin Type: DNA
     37 - 118 - OFGANISM: Artificial Sequence
     RM VIII - PEATURE:
     40 - ... - OTHER INFORMATION: Description of Artificial Sequence: primer GF63
     41 - 400 - SEQUENCE: 1
                                                                             23
     45 taget goting tochasticott tita
     45 - 310 - SEO IP NO: 5
     46 AMIN DENGTH: 19
     47 - MIL - TYPE: DNA
     44 + 312 + 0F0ANISM: Artificial Sequence
     forth or FEATURE:
     11 407 M - OTHER INFORMATION: Description of Artificial Sequence: primer SK100
     73 HADON SEQUENCE: 3
                                                                             19
     ži atcaagcado catdobaat
     56 -0010: SEQ 01 NO: 4
     57 -DOINGTH: 22
     58 HULLS TYPE: DNA
     53 - CTIO: OFGAMISM: Artificial Sequence
     61 HILLOS FEATURE:
    FIR HILLIEN OTHER INFORMATION: Description of Artificial Sequence: primer SK104
     • 4 -:400: SEQUENCE: 4
```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/089,563

DATE: 01/31/2003 TIME: 10:45:53

Input Set : A:\sequence listin.txt

Output Set: N:\CRF4\01312003\J089563.raw

22 65 cttttagted ttatettatg to 67 <210> SEO 10 NO: 5 68 -0011 - LEUGTH: 73 69 -C.1. - TYPE: DNA TO 4011 + ORMANISM: Artificial Sequence THE PROPERTY OF THE PARTY OF TH 73 - MANY - OTHER INFORMATION: Description of Artificial Sequence: primer ::; -000 Pota15 76 KARO - SHOMEDICH: 5 23 77 aqtoqatata taumagdaga agt TRANSPORTED NOT 6 FOR HUMAN LEMPTH: 17 81 K.A. FITE: DUA 8. 0.113 · ORGANISM: Artificial Sequence 84 HOLDER FRATURE: Ftg. C. P. OTHER IMPORMATION: Description of Artificial Sequence: primer UNIPOL 17. 88 HIGH - SEQUENCE: 6 27 89 decidoaathi nonnttitot tittaaaa 91 KIND SEQ ID NO: 7 9. 4.11 - IMBGTB: 18 best in elymen DNA 94 4.13 - CROANICM: Artificial Sequence 96 -C. DO - FEATURE: 97 KLTS OTHER INFORMATION: Description of Artificial Sequence: primer P5 99 K400 - SECTENCE: 7 100 at Lagoadda agaigged 13 1/L KL10 - SEQ 15 NO: 3 10 % -0.11 - BEDGTH: 18 104 S. L. S. TYPE: DNA 105 W. D. OF WHISM: Artificial Sequence 10 - C. O. FEATURE: 108 - C. 13 - OTHER INFORMATION: Description of Artificial Sequence: primer P6 110 HAGE - SEQUENCE: 8 18 111 tactaction of tigggg 113 -0.10 - 3BQ ID NO: 3 114 %L11 - LENGTH: 220 115 HOLDS TYPE: DNA 116 HOLB - OFGANISM: HIV-1 118 - 400 - SEQUENCE: 9 119 etatgouear gittaasagat accateaatg aggaagetge agaatgggad agggtacate 60 1.0 ligitaci pe adopentati coaccagged agatgagaga accaagggga agtgacatag 120 1.1 paggaartar tagtareett caagaacaaa taggatggat gacaagcaat ceaectatee 180 1.1 dagtiggia ja datotataaa agatggataa tootgggatt 220 104 0010 OEO TO NO: 10 135 -00113 NEMGTH: 220 126 HOUSE TYPE: INA

107 -0.13 - ORGANISM: HIV-1 129 -0.00 DEQUENCE: 10

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/089,563

DATE: 01/31/2003 TIME: 10:45:53

Imput Set : A:\sequence listin.txt

Output Set: N:\CRF4\01312003\J089563.raw

100 obatgbaaat gttuuwaagaa accatcaatg aggaagotgo agaatgggat agggtababb 60 1/4 cagtacatgo aggi $\mu$ otatt boaccaggod aaatgaggga abcaagggga agtgacatag 1/41.42 maggaactad tagtoacett caagaacaaa taggatggat gacaagcaat ccacctated 180 103 dagtgggaga cathwataaa aggtggataa tootgggatt 135 -2105 SEQ ID NO: 11 136 + 211 + LENGTH: 210 187 - 212 - TYPE: DNA 138 + 213 \* OFGANISM: HIV-1 140 + 400 + SEQUENCE: 11 141 coatqosast qttamaaqaa accatcaatg aggaagotgo agaatgggat agggtacacc 60. 142 dagtacatqo agqqobtatt obabbaggob agatgaggga abbaagggga agtgabatag 170 14% raggraetae tagiaacett caagaacaga taggatggat gacaaacaat ccaestatee 150 144 dagtiggaga datotataaa aggtiggataa tootigggatti 144 - 210 - SEQ ID NO: 12 147 < 211 - BENGTH: 7.20 148 - 313 - TYPE: DNA 149 < 213 - OFGANISM: HIV-1 151 - 400 - SEQUENCE: 12 15.7 obat qoaaat qrttaaaaqaa abbatbaatg aggaagotgo agaatgggat agggtababb 60 15) bagtabatdo uggqobtatt bbabbaggob agatgaggga abbaagggga agtgabatag 110 154 dagqaactad taqtaccott caagaacaaa taggatggat gacaaacaat ccacctatco 180 155 dagugganga bathtataaa agatggataa tootgggatt 157 -010 - SEQ ID NO: 13 158 - 211 - LENGTH: 220 159 - 312 - TYPE: 5MA 160 - 213 - OFGANISM: HIV-1 160 - 400 - SEQUENCE: 13 16% coangcapat git.44sagaa accaicaatg aggaageige agaatgggat agggtacaee 60 164 magtacator adquectatt ocaccagged agatgaggga accaagggga agtgacatag 130 165 daggaactad tagtaccett daagagdaaa taggatggat gadaacaat obacctated 180 166 bagtaggaga batbtataaa aggtggataa tootgggatt 16% K210 / SEQ ID NO: 14 169 - 711 - DENGTH: 0.0 170 HOLDS TYPE: DNA 171 - 0.13 - OFGANISM: HIV-1 173 -: 400 · SEQUENCE: 14 174 ccatqcaaat gttaaaagaa accatcaatg aggaagetge agaatgggat aggttacace 🚳 175 caatacatgo agggootatt ocascagged agatgaggga accaagggga agtgacatag 1.00 176 baggaabbab tagtabbatt baagaabaaa taggatggat gabaaabaat bbabbtatob 190 177 dagtoggaga datotataaa aggtoggataa tootgggatt 179 - 210 - SEQ ID NO: 15 180 4011 LENGTH: 220 181 HILLO TYPE: DNA 180 <115 OFGANISM: HIV-1 184 - 400 - SEQUENCE: 15 185 ccatqcaaat qttaaaagaa accatcaatg aggaagetge agaatgggat agggtacace 🕬 186 cagtacatge agogectatt ceaccagged agatgaggga accaagggga agtgacatag 120

187 caggaactac tagtaccett caagaacaaa taggatggat gacaaacaat ccaectatee 180

188 cagtoggaga catotataaa aggtogataa tootgggatt

220

DATE: 01/31/2003

RAW SEQUENCE LISTING

TIME: 10:45:53 PATENT APPLICATION: US/10/089,563

Input Set : A:\sequence listin.txt

Our put Set: N:\CRF4\01312003\J089563.raw

- 190 KRIAN SEQ ID NO: 16 141 <.:11 + LENGTH: ..20 19. COLO TYPE: DNA 14: 0013: OFGANISM: HIV-1 13: 440. SE UENCE: 16
- 146 emanyosasit utimaaagag accatcaatg aggaagotyo agaatyggat agggtacaco 60 197 sigtabatho aganeetatt obaccagged agatgaggga accaagggga agtgatatag 1.0
- 194 saggaactie taytaccett caagaacaaa taggatggat gabaagcaat obacctatoo 196 199 baginggasa satitataaa aggtiggataa tootigggatt
- 201 -0010 SEO ID NO: 17 do. -0011 - LENGTH: 120
- DON HOLL TYPE: DNA 204 SU13 - ORMANISM: HIV-1
- 2000-0100 SEQUENCE: 17
- 2007 maturcaaut qtilaaaaqaa accatcaatq aqqaaqotqo aqaatqqqat aqqqtacacc 600  $20\pi$  elegticative uggerectatt beabcaggab agatgaggga abbaagggga agtgabatag  $1,\,0$
- 2004 saggaactus fagtaecett caagaacaaa taggatggat gabaageaat coatotatee 150 210 sagtorgoasia satutataaa aggtogataa tootgogatti n. 0
- 212 %:10 SEQ ID NO: 18
- 713 11 LENGTH: . 20
- 114 WILL TYPE: ENA
- LIS 15 ORBANISM: HIV-1
- 117 -400 SEQUENCE: 18
- ${\mathbb D}^{n}$  -distribused qttwasadaa abbatbaatg aggaagotgo agaatgggat agggtababb  $\phi_{i}$
- 119 (sigtacatus aggrectati ecaccagges agatgaggga accaagggga agigacatag 1.0
- ... O cuqqaactuc taqtaccett caaqaacaqa taqqatqqat qacaaacaat ccacctatce 1-0 LLI sagtaggama matetataaa aggtagataa tootaggatt
- LAB -0.10 SEQ ID NO: 19
- 334 311 LENGTH: 220
- 225 2125 TYPE: DNA
- Dun 113 OFGANISM: HIV-1
- DIR 4001 SECTENCE: 19
- 219 chatgosaat yttaasagad accatosaty aygasyotyo aysatyyyyat ayyytacadd 600
- 11.0 magtacatge aggreetatt ocaecagged agatgaggga accaagggga agtgacatag 11.0
- 271 caggaactae tagtaccett caggaacaaa taggatggat gacaaacaat ccacctatee 180
- 13.1 magtgggaga cathtataaa aggtggataa tootgggatt 200

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/089,563

DATE: 01/31/2003 TIME: 10:45:54

Input Set : A:\sequence listin.txt

Output Set: N:\CRF4\01312003\J089563.raw

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date